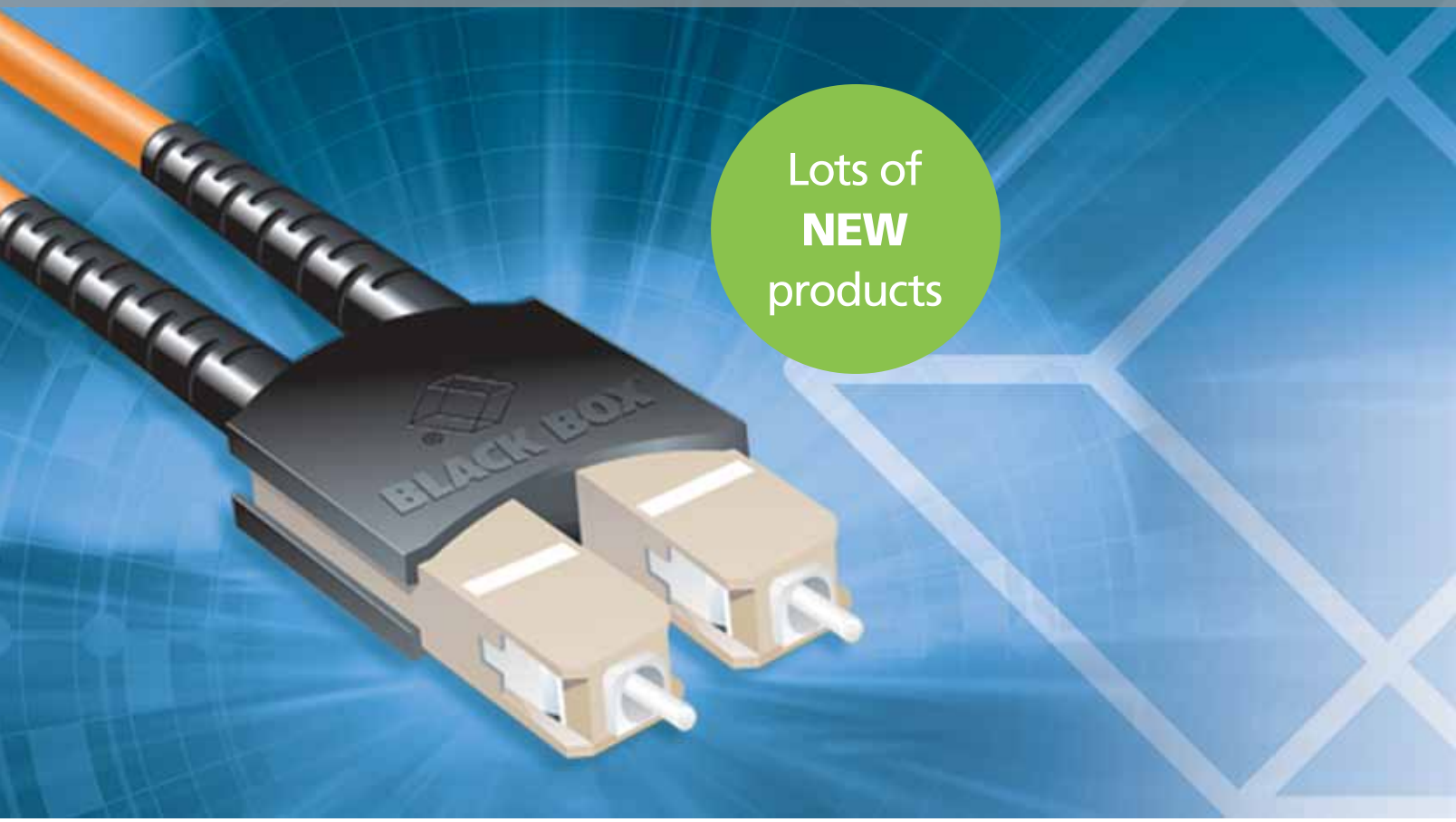
BLACK BOX
NETWORK SERVICES

# Fibre Optic Cabling



1U Sliding Fibre Optic Patch Panel

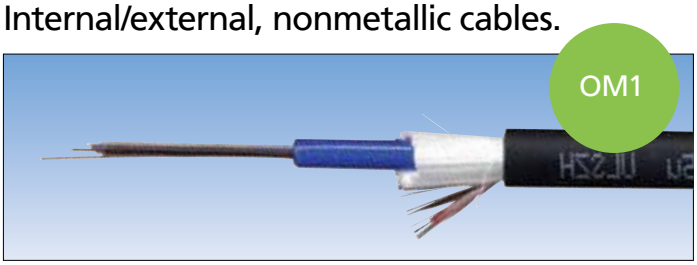
FAST Fibre Connector Kit

Ruggedised Fibre Patch Cables

0118 965 6150 | www.blackbox.co.uk

## Multimode 62.5/125-µm OM1 Fibre Optic Bulk Cable

Internal/external, nonmetallic cables.



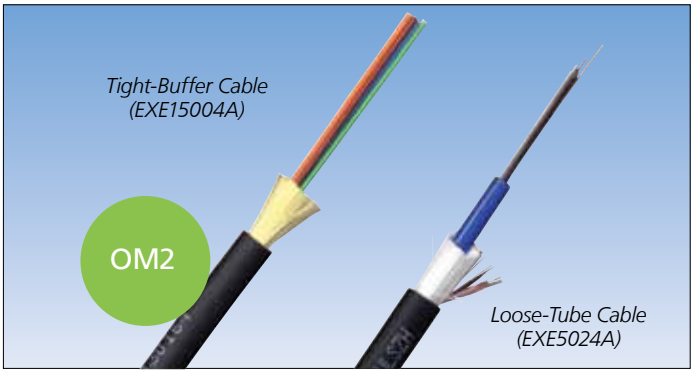

- Multimode 62.5/125-µm fibre.
- ULSZH (Universal Low-Smoke Zero Halogen) Outer jacket.
- Black jacket is standard for UV resistance.
- **WARRANTY** — 2 Years.

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM1, 62.5/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE6004A-0200M | **£146.00** |
| 300-m | EXE6004A-0300M | **£219.00** |
| 8-Core | | |
| 200-m | EXE6008A-0200M | **£215.00** |
| 300-m | EXE6008A-0300M | **£322.00** |
| 12-Core | | |
| 200-m | EXE6012A-0200M | **£277.00** |
| 300-m | EXE6012A-0300M | **£415.00** |
| 24-Core | | |
| 200-m | EXE6024A-0200M | **£455.00** |
| 300-m | EXE6024A-0300M | **£682.00** |

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM1, 62.5/125-µm, Tight-Buffer Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE16004A-0200M | **£153.00** |
| 300-m | EXE16004A-0300M | **£230.00** |
| 8-Core | | |
| 200-m | EXE16008A-0200M | **£244.00** |
| 300-m | EXE16008A-0300M | **£366.00** |
| 12-Core | | |
| 200-m | EXE16012A-0200M | **£350.00** |
| 300-m | EXE16012A-0300M | **£524.00** |
| 24-Core | | |
| 200-m | EXE16024A-0200M | **£626.00** |
| 300-m | EXE16024A-0300M | **£939.00** |
| Armoured Fibre Optic Multimode, OM1, 62.5/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE6104A-0200M | **£273.00** |
| 300-m | EXE6104A-0300M | **£410.00** |
| 8-Core | | |
| 200-m | EXE6108A-0200M | **£342.00** |
| 300-m | EXE6108A-0300M | **£513.00** |
| 12-Core | | |
| 200-m | EXE6112A-0200M | **£411.00** |
| 300-m | EXE6112A-0300M | **£617.00** |
| 24-Core | | |
| 200-m | EXE6124A-0200M | **£662.00** |
| 300-m | EXE6124A-0300M | **£993.00** |

## Multimode 50/125-µm OM2 Fibre Optic Bulk Cable

Internal/external, nonmetallic cables.




- Multimode 50/125-µm fibre.
- ULSZH (Universal Low-Smoke Zero Halogen) Outer jacket.
- Black jacket is standard for UV resistance.
- **WARRANTY** — 2 Years.

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM2, 50/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE5004A-0200M | **£142.00** |
| 300-m | EXE5004A-0300M | **£213.00** |
| 8-Core | | |
| 200-m | EXE5008A-0200M | **£175.00** |
| 300-m | EXE5008A-0300M | **£262.00** |
| 12-Core | | |
| 200-m | EXE5012A-0200M | **£211.00** |
| 300-m | EXE5012A-0300M | **£317.00** |
| 24-Core | | |
| 200-m | EXE5024A-0200M | **£331.00** |
| 300-m | EXE5024A-0300M | **£497.00** |

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM2, 50/125-µm, Tight-Buffer Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE15004A-0200M | **£128.00** |
| 300-m | EXE15004A-0300M | **£191.00** |
| 8-Core | | |
| 200-m | EXE15008A-0200M | **£201.00** |
| 300-m | EXE15008A-0300M | **£301.00** |
| 12-Core | | |
| 200-m | EXE15012A-0200M | **£277.00** |
| 300-m | EXE15012A-0300M | **£415.00** |
| 24-Core | | |
| 200-m | EXE15024A-0200M | **£499.00** |
| 300-m | EXE15024A-0300M | **£748.00** |
| Armoured Fibre Optic Multimode, OM2, 50/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE5104A-0200M | **£244.00** |
| 300-m | EXE5104A-0300M | **£366.00** |
| 8-Core | | |
| 200-m | EXE5108A-0200M | **£284.00** |
| 300-m | EXE5108A-0300M | **£426.00** |
| 12-Core | | |
| 200-m | EXE5112A-0200M | **£324.00** |
| 300-m | EXE5112A-0300M | **£486.00** |
| 24-Core | | |
| 200-m | EXE5124A-0200M | **£491.00** |
| 300-m | EXE5124A-0300M | **£737.00** |

*For other OM1 and OM2 options, please contact our FREE Technical support on 0118 965 6000.*

## Multimode 50/125-µm OM3 Fibre Optic Bulk Cable

### Laser enhanced for 10-Gigabit Ethernet Applications.

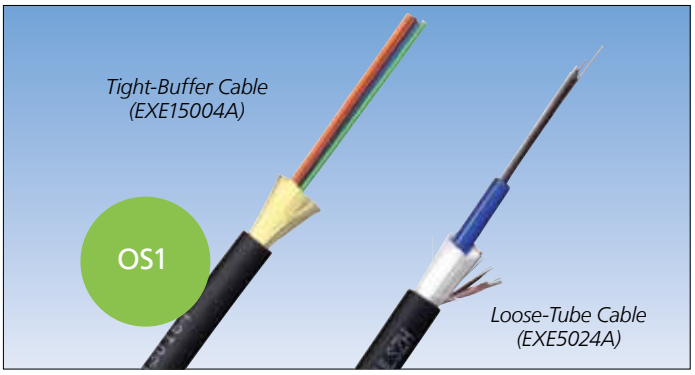
- Multimode 50/125-µm fibre.
- **WARRANTY** — 2 Years.

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM3, 50/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE5304A-0200M | **£197.00** |
| 300-m | EXE5304A-0300M | **£295.00** |
| 8-Core | | |
| 200-m | EXE5308A-0200M | **£281.00** |
| 300-m | EXE5308A-0300M | **£421.00** |
| 12-Core | | |
| 200-m | EXE5312A-0200M | **£371.00** |
| 300-m | EXE5312A-0300M | **£557.00** |
| 24-Core | | |
| 200-m | EXE5324A-0200M | **£648.00** |
| 300-m | EXE5324A-0300M | **£971.00** |

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM1, 62.5/125-µm, Tight-Buffer Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE15304A-0200M | **£182.00** |
| 300-m | EXE15304A-0300M | **£273.00** |
| 8-Core | | |
| 200-m | EXE15308A-0200M | **£313.00** |
| 300-m | EXE15308A-0300M | **£470.00** |
| 12-Core | | |
| 200-m | EXE15312A-0200M | **CALL** |
| 300-m | EXE15312A-0300M | **CALL** |
| 24-Core | | |
| 200-m | EXE15324A-0200M | **CALL** |
| 300-m | EXE15324A-0300M | **CALL** |
| Armoured Fibre Optic Multimode, OM3, 50/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE5204A-0200M | **£313.00** |
| 300-m | EXE5204A-0300M | **£470.00** |
| 8-Core | | |
| 200-m | EXE5208A-0200M | **£393.00** |
| 300-m | EXE5208A-0300M | **£590.00** |
| 12-Core | | |
| 200-m | EXE5212A-0200M | **£513.00** |
| 300-m | EXE5212A-0300M | **£770.00** |
| 24-Core | | |
| 200-m | EXE5224A-0200M | **£837.00** |
| 300-m | EXE5224A-0300M | **£1,255.00** |

## Single-Mode 9/125-µm OM2 Fibre Optic Bulk Cable

### Internal/external, nonmetallic cable for long runs.




- Single-Mode 9/125-µm fibre.
- ULSZH (Universal Low-Smoke Zero Halogen) Outer jacket.
- **WARRANTY** — 2 Years.

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OS1, 9/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE9004A-0200M | **£110.00** |
| 300-m | EXE9004A-0300M | **£164.00** |
| 8-Core | | |
| 200-m | EXE9008A-0200M | **£124.00** |
| 300-m | EXE9008A-0300M | **£186.00** |
| 12-Core | | |
| 200-m | EXE9012A-0200M | **£146.00** |
| 300-m | EXE9012A-0300M | **£219.00** |
| 24-Core | | |
| 200-m | EXE9024A-0200M | **£211.00** |
| 300-m | EXE9024A-0300M | **£317.00** |

| Item | Code | Price |
|---|---|---|
| Fibre Optic Single-Mode, OS1, 9/125-µm, Tight-Buffer Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE19004A-0200M | **£121.00** |
| 300-m | EXE19004A-0300M | **£181.00** |
| 8-Core | | |
| 200-m | EXE19008A-0200M | **£179.00** |
| 300-m | EXE19008A-0300M | **£268.00** |
| 12-Core | | |
| 200-m | EXE19012A-0200M | **£233.00** |
| 300-m | EXE19012A-0300M | **£350.00** |
| 24-Core | | |
| 200-m | EXE19024A-0200M | **£404.00** |
| 300-m | EXE19024A-0300M | **£606.00** |
| Armoured Fibre Optic Single-Mode, OS1, 9/125-µm, Loose-Tube Bulk Cables (ULSZH) | | |
| 4-Core | | |
| 200-m | EXE9104A-0200M | **£237.00** |
| 300-m | EXE9104A-0300M | **£355.00** |
| 8-Core | | |
| 200-m | EXE9108A-0200M | **£266.00** |
| 300-m | EXE9108A-0300M | **£399.00** |
| 12-Core | | |
| 200-m | EXE9112A-0200M | **£295.00** |
| 300-m | EXE9112A-0300M | **£442.00** |
| 24-Core | | |
| 200-m | EXE9124A-0200M | **£397.00** |
| 300-m | EXE9124A-0300M | **£595.00** |

*For other OM3 and OS1/OS2 options, please contact our FREE Technical support on 0118 965 6000.*

## Fibre Optic Single-Mode OS1 Patch Cables (9/125-µm)

### Ideal for long-distance applications

*EFE088-002M*

| Item | Code | Price |
|---|---|---|
| Fibre Optic Single-Mode, OS1, Patch Cables (LSZH), Duplex | | |
| 1-m | EFE0XX-001M | **from £7.00** |
| 2-m | EFE0XX-002M | **from £7.50** |
| 3-m | EFE0XX-003M | **from £8.00** |
| 5-m | EFE0XX-005M | **from £9.00** |
| 10-m | EFE0XX-010M | **from £11.50** |
| 15-m | EFE0XX-015M | **from £14.00** |
| 20-m | EFE0XX-020M | **from £16.50** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC = 80 | FC—FC = 85 | SC/APC—SC/APC = 90 |
| LC—SC = 81 | ST—ST = 86 | E-2000—SC = 91 |
| LC—ST = 82 | ST—SC = 87 | E-2000—LC = 92 |
| FC—ST = 83 | SC—SC = 88 | E-2000—E-2000 = 93 |
| FC—SC = 84 | ST/APC—ST/APC = 89 | |

## Fibre Optic Multimode OM1 Patch Cables (62.5/125-µm)

### Fibre patch cords for high performance

*EFE074-002M*

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM1, Patch Cables (LSZH) | | |
| 1-m | EFE0XX-001M | **from £5.70** |
| 2-m | EFE0XX-002M | **from £6.25** |
| 3-m | EFE0XX-003M | **from £6.80** |
| 5-m | EFE0XX-005M | **from £7.90** |
| 10-m | EFE0XX-010M | **from £10.65** |
| 15-m | EFE0XX-015M | **from £13.40** |
| 20-m | EFE0XX-020M | **from £16.15** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC Duplex = 70 | ST—SC Duplex = 74 | MT-RJ—SC Duplex = 78 |
| LC—SC Duplex = 71 | SC—SC Duplex = 75 | MT-RJ—MT-RJ |
| LC—ST Duplex = 72 | MT-RJ—MT-RJ = 76 | Duplex = 79 |
| ST—ST Duplex = 73 | MT-RJ—ST Duplex = 77 | |

## Fibre Optic Multimode OM2 Patch Cables (50/125-µm)

### Our premier fibre optic patch cords

*EFE053-002M*

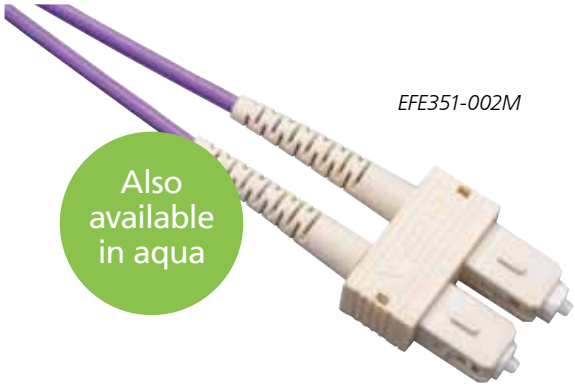
| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM2, Patch Cables (LSZH) | | |
| 1-m | EFE0XX-001M | **from £5.70** |
| 2-m | EFE0XX-002M | **from £6.25** |
| 3-m | EFE0XX-003M | **from £6.80** |
| 5-m | EFE0XX-005M | **from £7.90** |
| 10-m | EFE0XX-010M | **from £10.65** |
| 15-m | EFE0XX-015M | **from £13.40** |
| 20-m | EFE0XX-020M | **from £16.15** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC Duplex = 50 | SC—SC Duplex = 55 | MU—SC Duplex = 60 |
| LC—SC Duplex = 51 | MT-RJ—MT-RJ = 56 | MU—LC Duplex = 61 |
| LC—ST Duplex = 52 | MT-RJ—ST Duplex = 57 | E-2000—SC |
| ST—ST Duplex = 53 | MT-RJ—SC Duplex = 58 | Duplex =62 |
| ST—SC Duplex = 54 | LC Duplex—MT-RJ = 59 | E-2000—E-2000 = 63 |

## Fibre Optic Multimode OM3 Enhanced Patch Cables (50/125-µm)

### Designed for Gigabit Ethernet up to 10 Gbps!




*EFE351-002M*

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM3, Patch Cables (LSZH) | | |
| 1-m | EFE3XX-001M | **from £6.20** |
| 2-m | EFE3XX-002M | **from £7.10** |
| 3-m | EFE3XX-003M | **from £8.00** |
| 5-m | EFE3XX-005M | **from £9.80** |
| 10-m | EFE3XX-010M | **from £14.30** |
| 15-m | EFE3XX-015M | **from £18.80** |
| 20-m | EFE3XX-020M | **from £23.30** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC Duplex = 50 | SC—SC Duplex = 55 | MU—SC Duplex = 60 |
| LC—SC Duplex = 51 | MT-RJ—MT-RJ = 56 | MU—LC Duplex = 61 |
| LC—ST Duplex = 52 | MT-RJ—ST Duplex = 57 | E-2000—SC |
| ST—ST Duplex = 53 | MT-RJ—SC Duplex = 58 | Duplex =62 |
| ST—SC Duplex = 54 | LC Duplex—MT-RJ = 59 | E-2000—E-2000 = 63 |

# Fibre Optic Multimode OM4 Patch Cables (50-/125-µm)

## Fibre patch cords for high performance

- 900-pm tight buffer.
- OM4 fibre conforms to ITU-651, TIA/EIA 492AAAD.
- Simplex and duplex assemblies.
- Different connector performance range for specific application.
- For use in 10Gbps high speed LAN networks over a 300-m indicative link length at 850 nm (SX) wavelength using a laser launch.
- For use in 1Gbps high speed LAN networks over a 1000-m indicative link length at 850 nm (SX) wavelength using a laser launch.
- ULSZH (Universal Low-Smoke Zero Halogen) Outer jacket.
- Connect high-speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet.
- Supports video, data and voice services.

### TECH SPECS

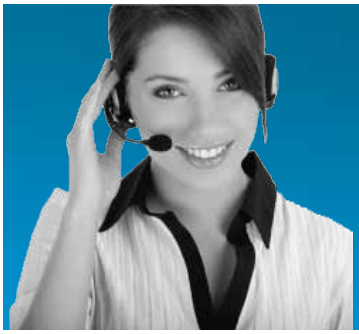
Jacket — LSZH
Strength Member — Aramid
Operating Temperature — -20 to +60°C
Attenuation (dB) — 2.8 @ 850 nm/0.8 @ 1310 nm
Crush (N) — 1000
Bandwidth OFL (MHz x km) — 3500 @ 850 nm; 500 @ 1310 nm; 4700 @ 850 nm

OM4 multimode patch cables are used to connect high speed and legacy networks like Gigabit Ethernet, Fast Ethernet and Ethernet. The multimode patch cords are manufactured using LSZH cables which conform to IEC, EIA. TIA and Telecordia standards. The cables are terminated with standard connectors for optimum performance.

| Item | Code | Price |
|---|---|---|
| OM4 Multimode Patch Cables (50-/125-µm) | | |
| LC—LC | | |
| 1-m | EFE450-001M-AQ | **£9.78** |
| 2-m | EFE450-002M-AQ | **£11.53** |
| 3-m | EFE450-003M-AQ | **£13.28** |
| 5-m | EFE450-005M-AQ | **£16.78** |
| 10-m | EFE450-010M-AQ | **£25.53** |
| 15-m | EFE450-015M-AQ | **£34.28** |
| 20-m | EFE450-020M-AQ | **£43.03** |
| LC—SC | | |
| 1-m | EFE451-001M-AQ | **£8.48** |
| 2-m | EFE451-002M-AQ | **£10.23** |
| 3-m | EFE451-003M-AQ | **£11.96** |
| 5-m | EFE451-005M-AQ | **£15.48** |
| 10-m | EFE451-010M-AQ | **£24.23** |
| 15-m | EFE451-015M-AQ | **£32.98** |
| 20-m | EFE451-020M-AQ | **£41.73** |
| LC—ST | | |
| 1-m | EFE452-001M-AQ | **£8.48** |
| 2-m | EFE452-002M-AQ | **£10.23** |
| 3-m | EFE452-003M-AQ | **£11.96** |
| 5-m | EFE452-005M-AQ | **£15.48** |
| 10-m | EFE452-010M-AQ | **£24.23** |
| 15-m | EFE452-015M-AQ | **£32.98** |
| 20-m | EFE452-020M-AQ | **£41.73** |
| ST—ST Duplex | | |
| 1-m | EFE453-001M-AQ | **£6.95** |
| 2-m | EFE453-002M-AQ | **£8.70** |
| 3-m | EFE453-003M-AQ | **£10.45** |
| 5-m | EFE453-005M-AQ | **£13.95** |
| 10-m | EFE453-010M-AQ | **£22.70** |
| 15-m | EFE453-015M-AQ | **£31.45** |
| 20-m | EFE453-020M-AQ | **£40.20** |

| Item | Code | Price |
|---|---|---|
| OM4 Multimode Patch Cables (50-/125-µm) | | |
| ST—SC | | |
| 1-m | EFE454-001M-AQ | **£6.95** |
| 2-m | EFE454-002M-AQ | **£8.70** |
| 3-m | EFE454-003M-AQ | **£10.45** |
| 5-m | EFE454-005M-AQ | **£13.95** |
| 10-m | EFE454-010M-AQ | **£22.70** |
| 15-m | EFE454-015M-AQ | **£31.45** |
| 20-m | EFE454-020M-AQ | **£40.20** |
| SC—SC | | |
| 1-m | EFE455-001M-AQ | **£6.95** |
| 2-m | EFE455-002M-AQ | **£8.70** |
| 3-m | EFE455-003M-AQ | **£10.45** |
| 5-m | EFE455-005M-AQ | **£13.95** |
| 10-m | EFE455-010M-AQ | **£22.70** |
| 15-m | EFE455-015M-AQ | **£31.45** |
| 20-m | EFE455-020M-AQ | **£40.20** |
| MT-RJ—MT-RJ | | |
| 1-m | EFE456-001M-AQ | **£8.25** |
| 2-m | EFE456-002M-AQ | **£10.00** |
| 3-m | EFE456-003M-AQ | **£11.75** |
| 5-m | EFE456-005M-AQ | **£15.25** |
| 10-m | EFE456-010M-AQ | **£24.00** |
| 15-m | EFE456-015M-AQ | **£32.75** |
| 20-m | EFE456-020M-AQ | **£41.50** |

| Item | Code | Price |
|---|---|---|
| OM4 Multimode Patch Cables (50-/125-µm) | | |
| MT-RJ—ST | | |
| 1-m | EFE457-001M-AQ | **£8.25** |
| 2-m | EFE457-002M-AQ | **£10.00** |
| 3-m | EFE457-003M-AQ | **£11.75** |
| 5-m | EFE457-005M-AQ | **£15.25** |
| 10-m | EFE457-010M-AQ | **£24.00** |
| 15-m | EFE457-015M-AQ | **£32.75** |
| 20-m | EFE457-020M-AQ | **£41.50** |
| MT-RJ—SC | | |
| 1-m | EFE458-001M-AQ | **£8.25** |
| 2-m | EFE458-002M-AQ | **£10.00** |
| 3-m | EFE458-003M-AQ | **£11.75** |
| 5-m | EFE458-005M-AQ | **£15.25** |
| 10-m | EFE458-010M-AQ | **£24.00** |
| 15-m | EFE458-015M-AQ | **£32.75** |
| 20-m | EFE458-020M-AQ | **£41.50** |
| LC—ST | | |
| 1-m | EFE459-001M-AQ | **£8.88** |
| 2-m | EFE459-002M-AQ | **£10.63** |
| 3-m | EFE459-003M-AQ | **£12.38** |
| 5-m | EFE459-005M-AQ | **£15.88** |
| 10-m | EFE459-010M-AQ | **£24.63** |
| 15-m | EFE459-015M-AQ | **£33.38** |
| 20-m | EFE459-020M-AQ | **£42.13** |



**Need help?**

For help with these or any of our thousands of products, contact our FREE live 24/7 Technical Support team on **0118 965 6000** or visit *www.blackbox.co.uk*.

## Ruggedised Fibre Optic Single-Mode OS1 Patch Cables (9/125-µm)

### Ideal for long-distance applications

| Item | Code | Price |
|---|---|---|
| Ruggedsied Fibre Optic Single-Mode, OS1, Patch Cables (LSZH), Duplex | | |
| 1-m | EFE0XX-001M | **from £7.20** |
| 2-m | EFE0XX-002M | **from £7.90** |
| 3-m | EFE0XX-003M | **from £8.60** |
| 5-m | EFE0XX-005M | **from £10.00** |
| 10-m | EFE0XX-010M | **from £13.50** |
| 15-m | EFE0XX-015M | **from £17.00** |
| 20-m | EFE0XX-020M | **from £20.50** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC = 80 | FC—FC = 85 | SC/APC—SC/APC = 90 |
| LC—SC = 81 | ST—ST = 86 | E-2000—SC = 91 |
| LC—ST = 82 | ST—SC = 87 | E-2000—LC = 92 |
| FC—ST = 83 | SC—SC = 88 | E-2000—E-2000 = 93 |
| FC—SC = 84 | ST/APC—ST/APC = 89 | |

## Ruggedised Fibre Optic Multimode OM1 Patch Cables (62.5/125-µm)

### Fibre patch cords for high performance

| Item | Code | Price |
|---|---|---|
| Ruggedised Fibre Optic Multimode, OM1, Patch Cables (LSZH) | | |
| 1-m | EFE0XX-001M-R | **from £6.03** |
| 2-m | EFE0XX-002M-R | **from £6.90** |
| 3-m | EFE0XX-003M-R | **from £7.78** |
| 5-m | EFE0XX-005M-R | **from £9.53** |
| 10-m | EFE0XX-010M-R | **from £13.90** |
| 15-m | EFE0XX-015M-R | **from £18.28** |
| 20-m | EFE0XX-020M-R | **from £22.65** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC Duplex = 70 | ST—SC Duplex = 74 | MT-RJ—SC Duplex = 78 |
| LC—SC Duplex = 71 | SC—SC Duplex = 75 | MT-RJ—MT-RJ |
| LC—ST Duplex = 72 | MT-RJ—MT-RJ = 76 | Duplex = 79 |
| ST—ST Duplex = 73 | MT-RJ—ST Duplex = 77 | |

## Ruggedised Fibre Optic Multimode OM2 Patch Cables (50/125-µm)

### Our premier fibre optic patch cords

| Item | Code | Price |
|---|---|---|
| Ruggedised Fibre Optic Multimode, OM2, Patch Cables (LSZH) | | |
| 1-m | EFE0XX-001M-R | **from £6.03** |
| 2-m | EFE0XX-002M-R | **from £6.90** |
| 3-m | EFE0XX-003M-R | **from £7.78** |
| 5-m | EFE0XX-005M-R | **from £9.53** |
| 10-m | EFE0XX-010M-R | **from £13.90** |
| 15-m | EFE0XX-015M-R | **from £18.28** |
| 20-m | EFE0XX-020M-R | **from £22.65** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC Duplex = 50 | ST—SC Duplex = 54 | MT-RJ—ST Duplex = 57 |
| LC—SC Duplex = 51 | SC—SC Duplex = 55 | MT-RJ—SC Duplex = 58 |
| LC—ST Duplex = 52 | MT-RJ—MT-RJ = 56 | LC Duplex—MT-RJ = 59 |
| ST—ST Duplex = 53 | | |

## Ruggedised Fibre Optic Multimode OM3 Enhanced Patch Cables (50/125-µm)

### Designed for Gigabit Ethernet up to 10 Gbps!

| Item | Code | Price |
|---|---|---|
| Fibre Optic Multimode, OM3, Patch Cables (LSZH) | | |
| 1-m | EFE3XX-001M-AQ-R | **from £6.20** |
| 2-m | EFE3XX-002M-AQ-R | **from £7.10** |
| 3-m | EFE3XX-003M-AQ-R | **from £8.00** |
| 5-m | EFE3XX-005M-AQ-R | **from £9.80** |
| 10-m | EFE3XX-010M-AQ-R | **from £14.30** |
| 15-m | EFE3XX-015M-AQ-R | **from £18.80** |
| 20-m | EFE3XX-020M-AQ-R | **from £23.30** |

To order, replace the "XX" with the number assigned to each connector.

| | | |
|---|---|---|
| LC—LC Duplex = 50 | ST—SC Duplex = 54 | MT-RJ—ST Duplex = 57 |
| LC—SC Duplex = 51 | SC—SC Duplex = 55 | MT-RJ—SC Duplex = 58 |
| LC—ST Duplex = 52 | MT-RJ—MT-RJ = 56 | LC Duplex—MT-RJ = 59 |
| ST—ST Duplex = 53 | | |

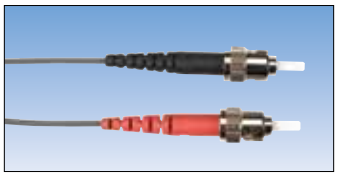
** For purple cables remove -AQ from the part code*

## Multicolour Fibre Optic Patch Cables

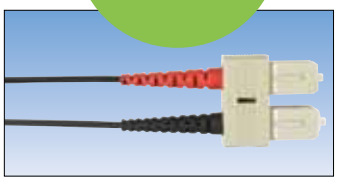
### Introducing fibre patch cable with custom options and the convenience of standard part numbers.

Now with even more options

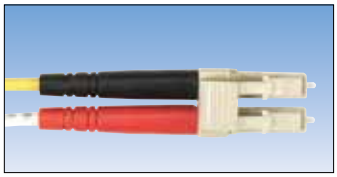
- Match Black Box fibre cable to your company, team, or school colours for that special networking application in the data centre and the desktop.
- Ideal for colour-coded applications.
- It's easy to build your own cable. Select from:
  - Core: –62.5-micron multimode; –50-micron multimode; –9-micron single-mode
  - Length: –13 lengths ranging from 1 to 30 metres
  - Connectors: –Four connectors (ST, SC, LC, and MT-RJ) in 10 different combinations.
  - Colours: –12 colours
- Get high performance at data rates up to 1 Gbps at 850 nm.
- Higher data aggregation in the backbone, riser, and high-speed parallel interconnects (HSPIs).
- Full compatibility with a broad range of laser-based and legacy protocols and applications.
- Industry-leading CPC® coatings for superior microbend and environmental performance.
- **WARRANTY** — Lifetime.



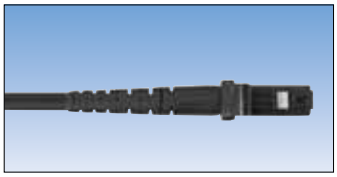
*ST connector*



*SC connector*



*LC connector*

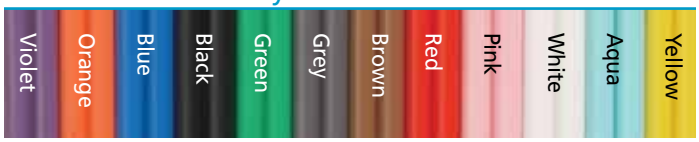


*MT-RJ connector*

### TECH SPECS

Bandwidth — 62.5-µm:
Intermediate performance EMB: 850 nm: 220 MHz/km;
Legacy performance EMB: 850 nm: 200 MHz/km; 1300 nm: 500 MHz/km;
50-µm: Intermediate performance EMB: 850 nm: 510 MHz/km;
Legacy performance EMB: 850 nm: 500 MHz/km; 1300 nm: 500 MHz/km
Optimised Data Rate — 62.5-µm: 850 nm: 1 Gbps over 300 m; 1300 nm: 1 Gbps over 550 m;
50-µm: 1 Gbps over 600 m

### Choose from as many as 12 colours!




| Item | Code | Price |
|---|---|---|
| Multicolour Fibre Optic Patch Cables | See chart below | CALL |

*To order, call Customer Service at 0118 965 5100 or use our cable selector at www.blackbox.co.uk.*

**Click and find at www.blackbox.co.uk.**
**Complete specifications for these cables.**

### Buyer's Guide | Multicolour Fibre Optic Patch Cables

| 1 (Constant) | 2 Jacket | 3 Core Size | 4 Length | 5 M- (Constant) | 6 Connectors | 7 Colour |
|---|---|---|---|---|---|---|
| FO | CMR = PVC | 62 = 62.5 Micron | 001 = 1 Metre | M | STST = ST to ST | BL = Blue |
| | | 50 = 50 Micron OM2 | 002 = 2 Metres | | SCSC = SC to SC | OR = Orange |
| | | 10 = 50 Micron OM3 | 003 = 3 Metres | | LCLC = LC to LC | GN = Green |
| | | SM = Single-Mode | 004 = 4 Metres | | MTMT = MT-RJ to MT-RJ | BR = Brown |
| | | | 005 = 5 Metres | | STSC = ST to SC | GR = Grey |
| | | | 006 = 6 Metres | | STLC = ST to LC | WH = White |
| | | | 007 = 7 Metres | | STMT = ST to MT-RJ | RD = Red |
| | | | 008 = 8 Metres | | SCLC = SC to LC | BK = Black |
| | | | 010 = 10 Metres | | LCMT = LC to MT-RJ | YL = Yellow |
| | | | 015 = 15 Metres | | SCMT = SC to MT-RJ | VT = Violet |
| | | | 020 = 20 Metres | | | PK = Pink |
| | | | 025 = 25 Metres | | | AQ = Aqua |
| | | | 030 = 30 Metres | | | |

**Examples of fibre optic cable codes.**

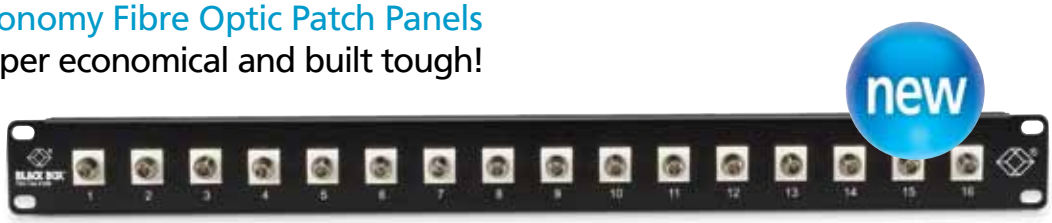
FOCMR62-001M-STST-BL = Cable with a PVC jacket, 62.5-micron core, 1-m length, ST–ST connectors in blue.

FOCMR50-008M-STLC-OR = Cable with a PVC jacket, 50-micron core, 8-m length, ST–LC connectors in orange.

FOCMRSM-030M-SCLC-YL = Cable with a PVC jacket, 9-micron core, 30-m length, SC–LC connectors in yellow.

## Economy Fibre Optic Patch Panels

### Super economical and built tough!




*JPM395A*

*JPM430A*

*JPM390A*

- The panels feature female ST, SC or LC connectors on the front and back.
- LC connectors feature ceramic ferrules to withstand frequent plugging and unplugging.
- Panels are built tough. all are constructed of cold-rolled steel.
- Panels are only 1U high and fit standard 19" racks.
- The modular design supports custom configurations. You can even mix and match fibre and copper jacks.
- Simply snap in other types of compatible jacks (for details on which Black Box jack fittings work in the panel, call our FREE Tech Support.
- **WARRANTY** — Lifetime.

| Item | Code | Price |
|---|---|---|
| Economy Fibre Patch Panels | | |
| ST 16 Simplex Adapters | JPM395A | **£37.38** |
| 24 Simplex Adapters | JPM425A | **£46.98** |
| SC 16 Simplex Adapters | JPM430A | **£47.98** |
| LC 16 Simplex Adapters | JPM390A | **£194.00** |

◆ *NOTE: Assembly required to load jacks.*

## Rackmount Fibre Shelf

### Limited rack or cabinet space? This 1U enclosure is the solution.

- Organise and protect fibre connections and splice trays in 19" or 23" racks.
- Panels are recessed horizontally.
- Splice tray stud enables you to install pigtail splice trays.
- Mount in cabinets and two-post racks.
- Accepts three snap-in adapter panels for connections.
- **WARRANTY** — 1 Year.

**TECH SPECS**

Material — 16-gauge cold-rolled steel

Dimensions — 4.4(H) x 43.2(W) x 27.9(D) cm

| Item | Code | Price |
|---|---|---|
| Rackmount Fibre Shelf 1U, 3-Adapter Panel | JPM407A-R4 | **£145.86** |

## 1U Sliding Fibre Optic Patch Panel

### 24 LC connectors and enclosed cable management tray.

- Multimode and Single-Mode options.
- Up to 24-Ports/48 Fibres.
- Includes 24 couplers.
- Fully loaded with LC Duplex couplers.
- Rear tray for pigtail splice tray mounting.

* *Panel, Adapters, Splice Bridge, 200-mm Cable Gland, (8) Fibre Management Clips.*

**TECH SPECS**

Cable Entry Points — (2) x 20-mm and (2) x 25-mm

Material — 1.2-mm powder coated cold-rolled steel

Dimensions — 4.4(H) x 48.2(W) x 20.5(D) cm

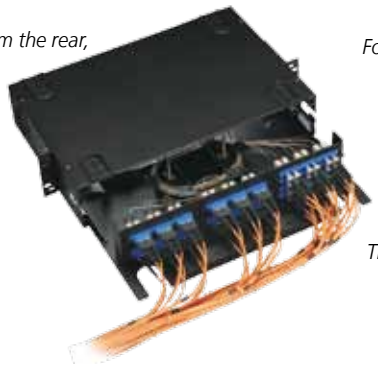
| Item | Code | Price |
|---|---|---|
| 1U Sliding LC Fibre Optic Patch Panel | | |
| 24-Port LC Multimode | JPU24LCMM | **£69.99** |
| 24-Port LC Single-Mode | JPU24LCSM | **£108.79** |

## Rackmount Fibre Cabinets

### 2U and 3U cabinets for 19" or 23" rackmount applications.

*To access the cabinet from the rear, fold open the back door.*

*Each side has a large cable access opening for routing cables horizontally.*



*Four rubber grommet openings enable you to route cable top to bottom.*

*Include interior cable ties and black spool rings to hold and store cable.*

*The inner tray pulls out for easy access to the adapter panels.*

- Satisfy your requirments for maximum flexibility and high-density terminations. Just snap in up to 6, 9 or 12 adapter panels.
- Smoked-plastic front door protects makes it easy to view connections.
- Front covers are lockable.
- A removable rear cover makes patch cords and pigtails accessible.
- Includes mounting brackets and 10-32 and 12-24 screws.
- **WARRANTY** — Lifetime.

**TECH SPECS**

Material — 16-gauge cold-rolled steel
Dimensions — *JPM418A-R4, JPM419A:* 8.9(H) x 43.2(W) x 27.9(D) cm;
*JPM406A-R5:* 13.3(H) x 43.2(W) x 29.2(D) cm

| Item | Code | Price |
|---|---|---|
| Rackmount Fibre Cabinets | | |
| 2U 6-Adapter Panel | JPM418A-R4 | **£211.00** |
| 2U 9-Adapter Panel | JPM419A | **£240.00** |
| 3U 12-Adapter Panel | JPM406A-R5 | **£255.95** |

## Fibre Wall Cabinets

### Low-profile fibre enclosures for limited-space areas.

**Open-Style Cabinets**

- Low-profile cabinet converse wall space and can be mounted almost anywhere.
- Interconnect to active equipment or patch vertical or horizontal runs.
- Snap in up to 2 or 4 adapter panels **(below)**.

**Lock-Style Cabinets**

- Use when installing secure fibre networks.
- Separate lockable covers provide access to the user's side and the technician's side.
- Feature full front access.
- Snap in up to 4 or 12 adapter panels **(below)**.

*JPM401A-R2*

*JPM402A-R2*

*JPM400A-R2*

**TECH SPECS**

Material — 16-gauge cold-rolled steel
Dimensions —
*JPM400A-R2:* 26.7(H) x 21.6(W) x 6.4(D) cm;
*JPM401A-R2 — JPM402A-R2:* 30.7(H) x 35.6(W) x 8.6(D) cm;
*JPM403A-R2:* 40.6(H) x 35.6(W) x 16.5(D) cm

| Item | Code | Price |
|---|---|---|
| Fibre Wall Cabinets | | |
| Open-Style | | |
| 2-Adapter Panel | JPM400A-R2 | **£43.00** |
| 4-Adapter Panel | JPM401A-R2 | **£86.00** |
| Lock-Style | | |
| 4-Adapter Panel | JPM402A-R2 | **£96.00** |
| 12-Adapter Panel | JPM403A-R2 | **£168.00** |

## Adapter Panels

### It's a snap to add connectors to your enclosure.

- Adapters snap easily into the fibre enclosures.
- **WARRANTY** — 1 Year.

| Item | Code | Price |
|---|---|---|
| Standard Adapter Panels, Duplex Fibre | | |
| (3) ST Pairs | JPM404A-R2 | **£9.89** |
| (3) SC Pairs | JPM405A-R2 | **£11.43** |
| (6) MT-RJ Pairs | JPM409A-R2 | **£16.83** |
| (6) LC Pairs | JPM410A-R2 | **£28.99** |
| 4-Pack Jacks, Unloaded | JPM417A | **£22.60** |
| Blank Adapter Panel | JPM408A-R2 | **£3.11** |

| Item | Code | Price |
|---|---|---|
| HD Fibre Adapter Panels | | |
| (4) ST Pairs | JPM411A-R2 | **£12.11** |
| (6) SC Duplex Pairs | | |
| Blue | JPM412A-R2 | **£19.74** |
| Grey | JPM420A | **£19.74** |
| Beige | JPM421A | **£19.74** |
| Yellow | JPM413A | **£76.06** |
| Orange | JPM414A | **£76.06** |
| (6) ST Pairs - (6) SC Pairs | | |
| | JPM415A-R2 | **£18.29** |
| (8) MT-RJ Pairs | JPM416A-R2 | **£19.11** |
| (12) LC Pairs | JPM422A | **£56.90** |

## No-Adhesive Mechanical Splice

### Make fast, twist-action multimode or single-mode fibre splices.

- Makes quick, clean, no-adhesive fibre cable splices.
- Insert a stripped and cleaved fibre cable into each end of the splice and twist. A cam locks the fibre into position for accurate alignment.
- Works with 250- or 900-µm cladding.

| Item | Code | Price |
|---|---|---|
| No-adhesive Mechanical Splice (6-Pack) | FO030 | **£119.00** |

## Fibre Optic Cleaver

### Cut fibre cleanly.

- High precision cleaver.
- One push cuts fibre cable cleanly.

| Item | Code | Price |
|---|---|---|
| Fibre Optic Cleaver | FT538 | **£295.00** |

## Splice Tray

### Terminate long runs in this compact unit.

- Supports up to 24 splices.
- Maintains 30-mm bend radius.
- Allows storage of 250µm or 900µm fibre.
- Supports either heatshrink or crimp style splice protector.
- May be stacked.

| Item | Code | Price |
|---|---|---|
| Fibre Splice Tray, Heatshrink Style | JPU001-H | **£4.49** |
| Fibre Splice Tray, Crimp Style | JPU002-C | **£4.49** |

## Fibre Cable Manager

### Maintain correct bend radius with this versatile manager.

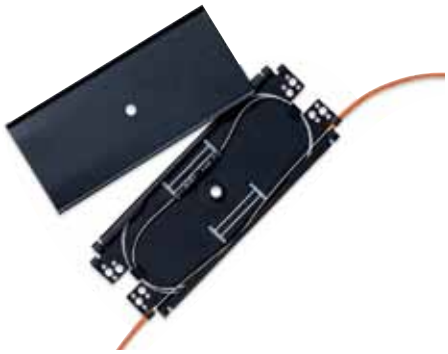
- Maintains 30-mm bend radius.
- Six segments — may be split.
- Includes self-adhesive mounting pad.
- May be stacked.

| Item | Code | Price |
|---|---|---|
| Fibre Cable Manager | JPU006 | **£2.25** |

## No-adhesive Mechanical Splice Tray

### Organises and protects fibre splices.

- Protects and organises up to six splices.
- Use No-adhesive Mechanical Splices (FO030).



| Item | Code | Price |
|---|---|---|
| No-Adhesive Mechanical Splice Tray | WP602 | **£38.95** |

## Pre-Polished Fibre Connectors

### Terminate fibre in a minute - no more hand polishing in the field.

- Pre-polished ferrules for fast field connections.
- Easy assembly with no need for epoxy.
- Fibre can be reseated.
- Factory polishing eliminates loss concerns.
- Meets TIA/EIA 568A performance requirements and TIA/EIA 604 (focis) connector interface specifications.
- Use to terminate 2-mm ,3-mm or 900-micron fibre.
- **WARRANTY** — Lifetime.

| Item | Code | Price |
|---|---|---|
| Pre-polished Fibre Optic Connectors, 12-Pack | | |
| 50-Micron | | |
| SC | PP-SC-50MM | **£106.00** |
| ST® | PP-ST-50MM* | **£81.00** |
| LC | PP-LC-50MM | **£117.00** |
| 62.5-Micron | | |
| SC | PP-SC-625MM | **£106.00** |
| ST® | PP-ST-625MM | **£111.00** |
| LC | PP-LC-625MM | **£117.00** |
| Single-Mode | | |
| SC | PP-SC-SM | **£134.00** |
| ST® | PP-ST-SM | **£127.00** |
| LC | PP-LC-SM | **£174.00** |
| 50-Micron 10-GbE | | |
| SC | PP-SC-50MM-10G | **£112.00** |
| ST® | PP-ST-50MM-10G* | **£118.00** |
| LC | PP-LC-50MM-10G | **£117.00** |

* *NOTE: PP-ST-50MM and PP-ST-50MM-10G are 10-packs, not 12-packs.*

## Fibre Optic Pigtails

### Get the best terminations for your fibre installation.

- All terminations exceed performance parameters set by industry standards.
- Full traceability and test certification supplied with each assembly.
- 900-µm tight-buffered fibre optic cable.
- Multimode and single-mode versions available in ST, SC, FC, LC and E-2000 connector types.
- **WARRANTY** — 2 Years.

Fibre Optic Pigtails are essential when terminating cables within splice enclosures. Using these pre-polished assemblies reduces the risk of poor connector termination.

Plus, in addition to the standard versions shown here, we can also make customised pigtails that meet your needs. From industry-standard 62.5-/125-µm multimode to 9-/125-µm single-mode alll the way up to state-of-the-art OM3 50-/125-µm cable assemblies, we can supply them all!

*EFE270-001M-P*

*NOTE: Other lengths and connector versions available on request.*

**TECH SPECS**

Cable Type — Low-Smoke Zero Halogen
Fibre Type — OM1/OM2/OM3/OS1
Connector Type — Multimode: ST simplex, SC simplex, LC simplex, MT-RJ and E-2000
Single-Mode: UPC ST simplex, SC simplex, LC simplex, MT-RJ, E-2000 (APC available on request)
Fibre Diameter — 900-µm tight-buffered
Mating Durability — 1000 cycles, clean every 25 ≤ .2dB change
Insertion Loss — ≤0.3dB
Operating Temperature — -20 to + 60°C
Reflectance — Single-Mode ≥ -50dB
Pigtail Length — 1-m

| Item | Code | Price |
|---|---|---|
| Pigtails, OS1 Single-Mode | | |
| ST, 1-m | EFE186-001M-P | **£1.64** |
| SC, 1-m | EFE188-001M-P | **£1.64** |
| LC, 1-m | EFE180-001M-P | **£2.22** |
| MT-RJ, 1-m | EFE187-001M-P | **£6.67** |
| MT-RJ, 1-m | EFE189-001M-P | **£11.33** |
| MT-RJ, 1-m | EFE183-001M-P | **£1.98** |
| Pigtails, OM1 62.5-/125-pm Multimode | | |
| ST, 1-m | EFE173-001M-P | **£1.44** |
| SC, 1-m | EFE175-001M-P | **£1.44** |
| LC, 1-m | EFE170-001M-P | **£2.00** |
| MT-RJ, 1-m | EFE176-001M-P | **£6.60** |

| Item | Code | Price |
|---|---|---|
| Pigtails, OM2 50-/125-pm Multimode | | |
| ST, 1-m | EFE273-001M-P | **£1.44** |
| SC, 1-m | EFE275-001M-P | **£1.44** |
| LC, 1-m | EFE270-001M-P | **£2.00** |
| MT-RJ, 1-m | EFE276-001M-P | **£5.33** |
| E-2000, 1-m | EFE279-001M-P | **£11.33** |
| Pigtails, OM3 50-/125-pm Multimode | | |
| ST, 1-m | EFE373-001M-P | **£1.56** |
| SC, 1-m | EFE375-001M-P | **£1.56** |
| LC, 1-m | EFE370-001M-P | **£2.33** |
| MT-RJ, 1-m | EFE376-001M-P | **£6.00** |
| E-2000, 1-m | EFE379-001M-P | **£11.56** |

## FAST Fibre Connector Kit

### Industry-standard tools for terminating and cleaning fibre optic cable.

- Provides all the necessary installation tools for preparing 250-µm or 900-µm fibres applied to AFL Telecommunications' new pre-polished FAST™ connectors.
- Has a storage area for extra FAST connectors so you'll have them at the job site if needed.
- Features a compact design and a flexible yet rugged case.
- Applications include premise environments, LAN fibre-to-the-desktop environments, patch panel/wiring closets, FTTx applications and quick repair and replacement situations.
- **WARRANTY** — 1 Year.

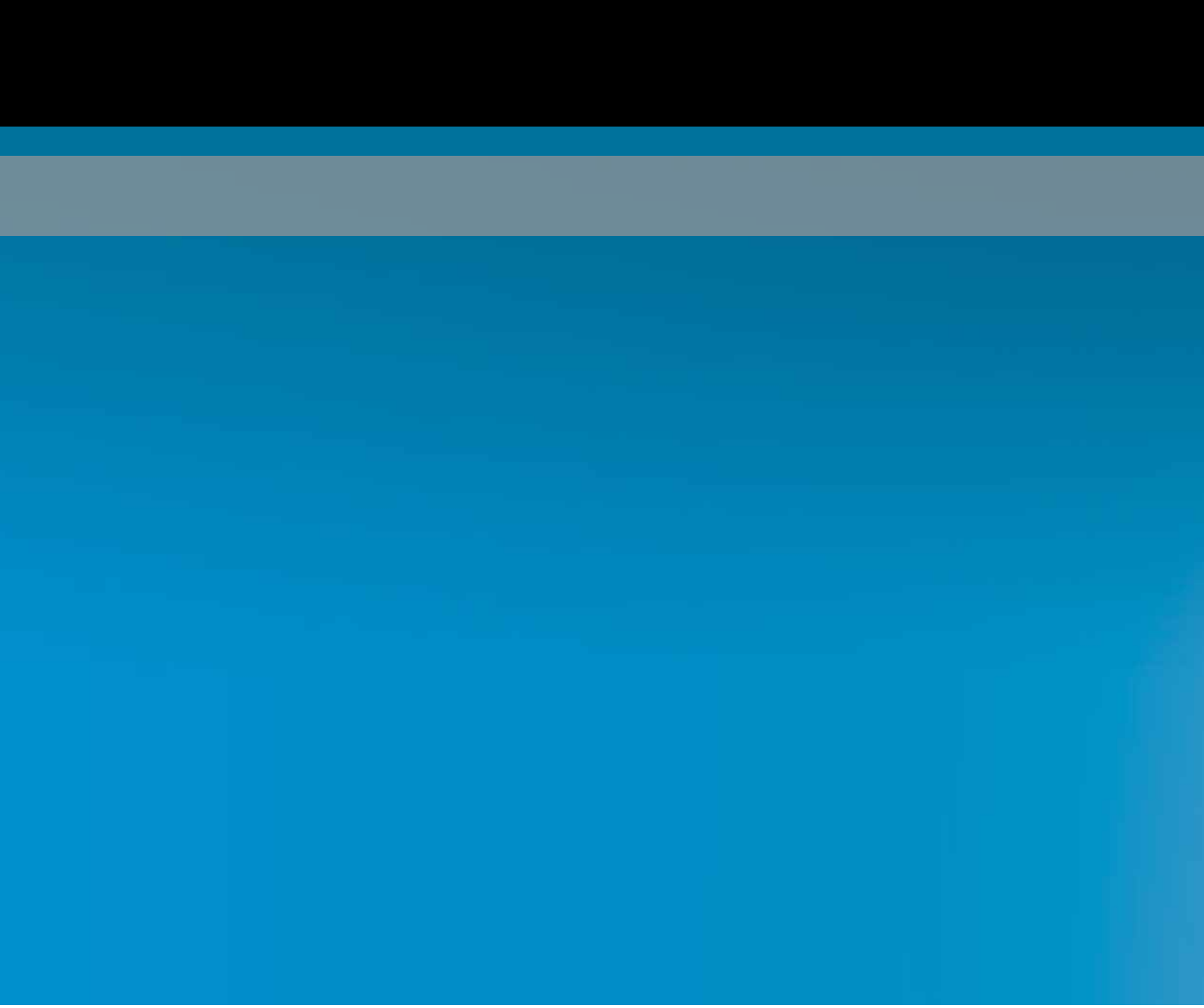
The FAST Fibre Connector Kit provides all the installation tools required to prepare 250-µm or 900-µm fibres, or 2-mm or 3-mm cabling for AFL's pre-polished FAST conenctors.

The kit includes a universal multimode/single-mode cleaver with a 16-position blade and built-in fibre scrap collector, a fibre stripper, a strip/cleave template and much more.

**What's included:**

- High-precision fibre cleaver
- Fibre stripper
- Fibre strip/cleave template
- Kevlar® Scissors
- Marker pen
- Fibre prep cleaning fluid
- Lint-free cloth wipes
- Assembly video
- Carrying case
- User's Manual

| Item | Code | Price |
|---|---|---|
| FAST Fibre Connector Kit | CS001201-SP | **£1,079.00** |



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464 Bsingstoke Road, Reading, Berkshire, RG2 0BG